

## Patent Abstracts of Japan

PUBLICATION NUMBER : 59137119  
PUBLICATION DATE : 07-08-84

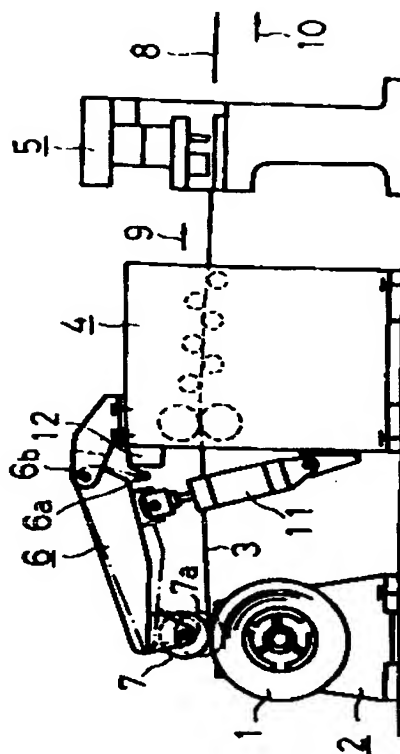
APPLICATION DATE : 28-01-83  
APPLICATION NUMBER : 58012357

APPLICANT : MITSUBISHI ELECTRIC CORP;

INVENTOR : MATSUBARA MASAJI;

INT.CL. : B21C 47/16 B21C 51/00 B21D 43/02

TITLE : DETECTING DEVICE OF REMAINING  
QUANTITY OF COIL



**ABSTRACT :** **PURPOSE:** To judge accurately the remaining quantity of a coil by providing a detecting switch for detecting the position of a press holding roll, which is provided to a coil press-holding device and changes its position with the decrease of the remaining quantity of a coil.

**CONSTITUTION:** A coil 1 mounted on an uncoiler 2 is drawn out in the arrow direction, and the remaining quantity of the coil 1 is gradually decreased. The outer peripheral position of the coil 1 changes with the decrease of the remaining quantity, and a press holding roll 7 changes its position toward its lower position 7a. At that time, an edge 6a located at one end of a coil press-holding device 6 comes into contact with a detecting switch 12 attached to a leveller 4 to actuate the switch 12. The switch 12 transmits a signal corresponding to the position of the roll 7 to a controller. The controller judges the remaining quantity of the coil 1 by receiving the signal.

**COPYRIGHT:** (C)1984,JPO&Japio